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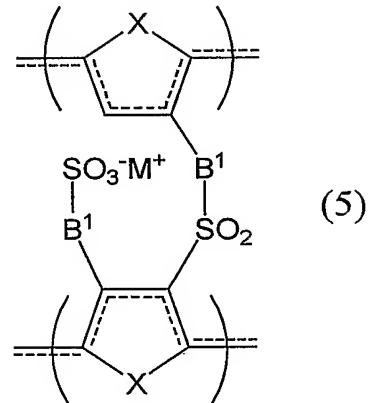
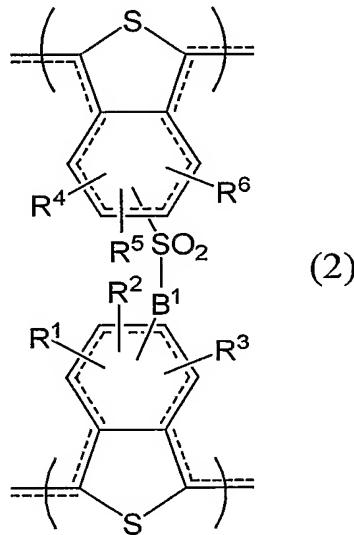
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[Continued on next page]

(54) Title: CROSSLINKED SELF-DOPING TYPE ELECTRICALLY CONDUCTING POLYMER, PRODUCTION PROCESS THEREOF, PRODUCT COATED WITH THE POLYMER AND ELECTRONIC DEVICE



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(57) Abstract: The invention relates to a self-doping type electrically conducting polymer comprising an isothianaphthene or thiophene skeleton where the polymer chains are crosslinked preferably through a sulfone bond, as represented by formula (2) or (5) below, which is imparted with water resistance and solvent resistance; a production process thereof; an electrically conducting composition film obtained by coating a composition containing the self-doping type electrically conducting polymer on a substrate and heating it; a product coated using the composition; and an electronic device containing the self-doping type electrically conducting polymer: (wherein the symbols are as described in the specification).



FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

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